

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1305822

Luminaire Tested: P3SQASS09R609024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS09R609024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

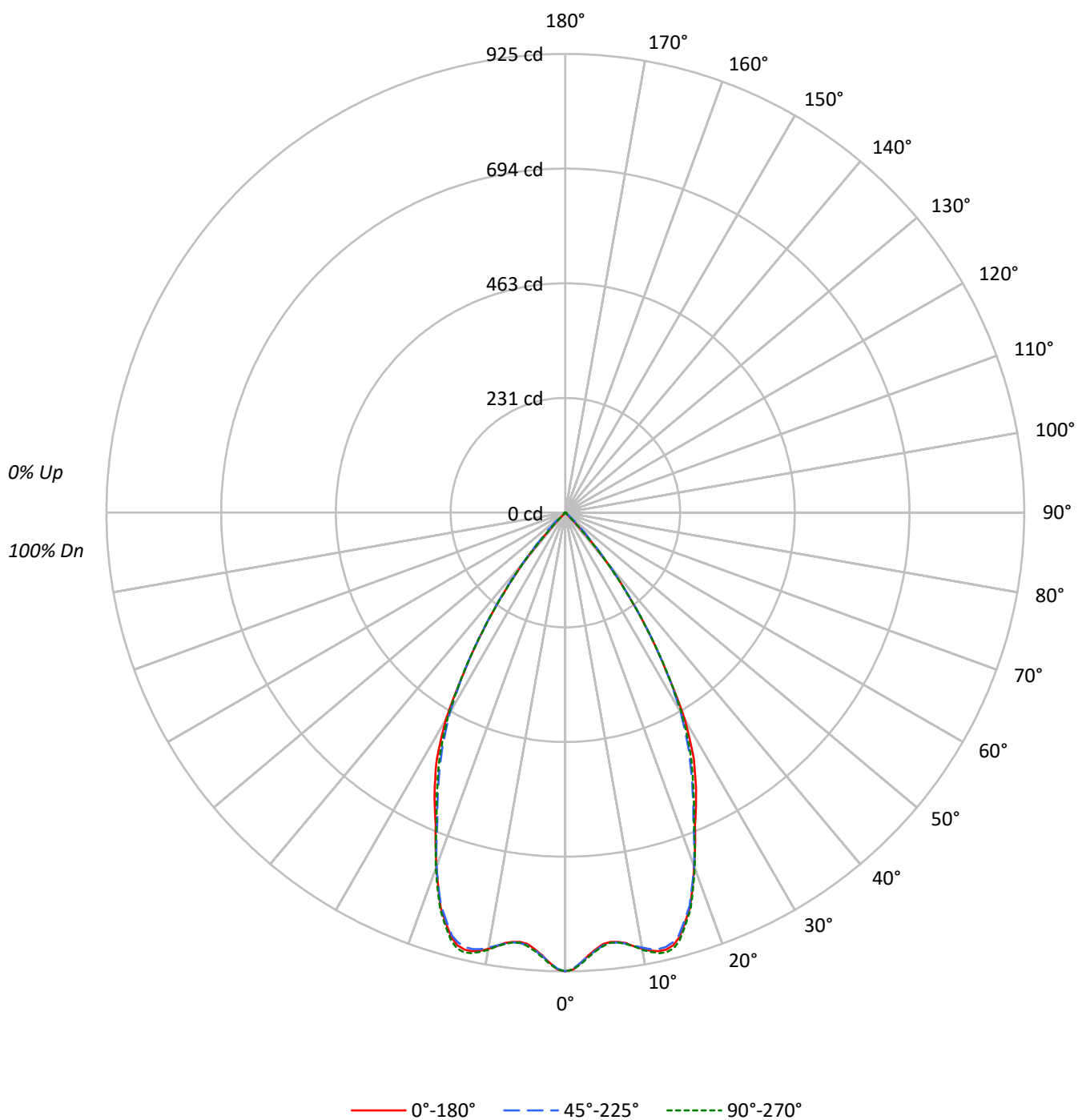
Lumens per Lamp: N/A
Luminaire Lumens: 824.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	159289	159289	159289
5°	150977	151426	151651
10°	156220	155765	156570
15°	158132	157437	159042
20°	139234	139124	139821
25°	118482	115042	116030
30°	95634	92294	93825
35°	60530	61076	60382
40°	28305	29452	28732
45°	1729	10376	2046
50°	857	2411	857
55°	961	961	961
60°	896	896	896
65°	774	1060	774
70°	957	957	957
75°	865	865	865
80°	595	595	595
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	10.2
10°-20°	242.8	29.4
20°-30°	279.9	33.9
30°-40°	179.7	21.8
40°-50°	31.3	3.8
50°-60°	3.0	0.4
60°-70°	2.3	0.3
70°-80°	1.4	0.2
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	607.0	73.6
0°-40°	786.7	95.4
0°-60°	820.9	99.5
0°-90°	824.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	925	925	925	925	925	
5°	873	875	876	878	877	84
15°	887	884	883	889	892	243
25°	624	616	605	606	611	284
35°	288	286	290	285	287	180
45°	7	21	43	25	8	24
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	1	1	1	1	1	1
85°	1	1	1	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.9	924.9	924.9	924.9	924.9
1°	921.1	920.4	919.8	920.4	921.1
2°	908.2	907.5	906.9	909.5	910.7
3°	894.0	894.6	895.3	896.5	897.2
4°	882.3	883.6	884.3	885.6	886.2
5°	873.3	875.2	875.9	877.8	877.2
6°	870.7	872.0	872.7	873.3	872.0
7°	872.0	872.7	873.3	874.6	873.3
8°	876.5	877.2	877.8	878.5	878.5
9°	885.6	884.3	883.6	886.2	885.6
10°	893.3	891.4	890.7	894.6	895.3
11°	899.8	897.2	896.5	901.1	902.4
12°	904.3	900.4	899.8	905.6	908.2
13°	904.3	899.1	899.1	905.6	909.5
14°	899.1	893.3	893.3	900.4	904.9
15°	886.9	883.6	883.0	888.8	892.0
17.5°	835.2	831.4	832.0	838.5	839.1
20°	759.7	757.8	759.1	760.4	762.9
22.5°	682.9	681.6	674.5	676.4	677.7
25°	623.5	616.4	605.4	606.1	610.6
27.5°	560.9	553.8	538.3	541.5	546.1
30°	480.9	475.1	464.1	466.0	471.8
32.5°	377.6	389.2	378.9	382.1	380.2
35°	287.9	285.9	290.5	284.6	287.2
37.5°	202.7	203.3	205.3	200.1	200.1
40°	125.9	129.1	131.0	128.4	127.8
42.5°	52.9	72.3	76.2	72.3	53.6
45°	7.1	21.3	42.6	25.2	8.4
47.5°	3.2	4.5	22.6	4.5	3.2
50°	3.2	3.2	9.0	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.6	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	2.6	2.6	2.6
65°	1.9	2.6	2.6	2.6	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)